

<p>Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary)</p> <p><i>FEB 15 2002</i> <i>SCSP</i> <i>PATENT & TRADEMARK OFFICE</i></p>	ATTY DOCKET NO. 7164.01	APPLICATION NO. 09/574,519
	APPLICANT Henderson et al.	
	FILING DATE May 18, 2000	GROUP ART UNIT 1655

TECH CENTER 1600
FEB 22 2002

RECEIVED

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Inventor Name	Class	Sub-class	Filing Date (if appropriate)
	4,728,591	3/1/1988	Noel A. Clark. et al.	430	5	March 7, 1988
	5,143,854	9/1/1992	Michael C. Pirrung et al.	436	518	March 7, 1990
	5,340,261	1/24/1995	James L. Winkler et al.	436	518	November 22, 1991
	5,453,970	9/26/1995	Thomas F. Rust et al.	369	176	July 13, 1993
	5,571,639	11/5/1996	Earl A. Hubbell et al.	430	5	May 24, 1994
	6,004,617	12/21/1999	Peter G. Schultz et al.	427	8	June 7, 1995
	6,045,671	4/4/2000	Xin Di Wu et al.	204	298.11	April 22, 1997
	6,171,797 B1	1/9/2001	Michael G. Perbost	435	6	October 20, 1999
	6,239,273 B1	5/29/2001	R. Fabian Pease et al.	536	25.3	October 26, 1999
	6,284,497 B1	9/4/2001	Chandran R. Sabanayagam et al.	435	91.2	April 8, 1999
	6,287,850 B1	9/11/2001	Donald M. Besemer et al.	435	287.2	April 29, 1999
	6,309,831 B1	10/30/2001	Martin J. Goldberg et al.	435	6	February 5, 1999
	6,331,396 B1	12/18/2001	Robert H. Silverman et al.	435	6	September 23, 1999
	6,329,209 B1	12/11/2001	Peter Wagner et al.	436	518	July 14, 1999

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description
	Dontha, Narasaiah, et al. "Generation of Biotin/Avidin/Enzyme Nanostructures with Maskless Photolithography", Anal. Chem., Vol. 69, (1997), pgs 2619-2625
	Fritzsche, Wolfgang, et al. "Chicken Erythrocyte Nucleosomes Have a Defined Orientation along the Linker DNA-A Scanning Force Microscopy Study", Scanning, Vol. 19, (1997), pgs. 42-47
	Fritzsche, Wolfgang, et al. "Mapping elasticity of rehydration metaphase chromosomes by scanning force microscopy", Ultramicroscopy, Vol. 69, (February 1997), pgs. 191-200
	Fritzsche, Wolfgang, et al. "Ribosome substructure investigated by scanning force microscopy and image processing", Journal of Microscopy, Vol. 189, Pt 1, (January 1998), (pgs. 50-56)
	Fritzsche, Wolfgang, et al. "Application of Atomic Force Microscopy to Visualization of DNA, Chromatin and Chromosomes", Critical Reviews™ in Eukaryotic Gene Expression, Vol. 7, No. 3, (1997), pgs. 231-240
	Henderson, Eric "Molecular force detection and spectroscopy with the atomic force microscope", Science Progress, Vol. 81, No. 2 (1998), pgs. 141-151

EXAMINER	DATE CONSIDERED
<i>[Signature]</i>	<i>3/14/02</i>

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<p>Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (See several sheets if necessary)</p> <p><i>FEB 15 2002</i> PATENT & TRADEMARK OFFICE</p>	ATTY DOCKET NO. 7164.01	APPLICATION NO. 09/574,519
	APPLICANT Henderson et al.	
	FILING DATE May 18, 2000	GROUP ART UNIT 1655

TECH CENTER 1600
FEB 22 2002
1600-200

RECEIVED

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Inventor Name	Class	Sub-class	Filing Date (if appropriate)

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation
						No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description
✓	Henderson, Eric "Atomic force microscopy of conventional and unconventional nucleic acid structures", Journal of Microscopy, Vol. 167, (July 1992), pgs. 77-84
✓	Henderson, Eric, et al. "Actin Filament Dynamics in Living Glial Cells Imaged by Atomic Force Microscopy", Science, Vol. 257, (September 25, 1992), pgs. 1944-1946
✓	Jones, Vivian et al. "Microminiaturized Immunoassays Using Atomic Force Microscopy and Compositionally Patterned Antigen Arrays", Anal. Chem., Vol. 70 (1998), pgs. 1233-1241
✓	Lynch, Michael et al., "A Reliable Preparation Method for Imaging DNA by AFM", Microscopy Today, Vol. 99, No. 9, (1999); 1pg
✓	Mazzola, Laura, T. et al., "Discrimination of DNA Hybridization Using Chemical Force Microscopy", Biophysical Journal, Vol. 75, (June 1999), pgs. 2922-2933
✓	Mosher, Curtis, et al., "NanoArrays, The Next Generation Molecular Array Format for High Throughput Proteomics, Diagnostics and Drug Recovery", JALA, Vol 5, No. 5, (November 2000); pgs. 75-83
✓	O'Brien, Janese C., et al. "Immunosensing Platforms Using Spontaneously Absorbed Antibody Fragments on Gold", Analytical Chemistry, Vol. 72, No. 4, (February 15, 2000); pgs. 703-710
✓	Schaus, Scott S., et al., "Cell Viability and Probe-Cell Membrane Interactions of XR1 Glial Cells Imaged by Atomic Force Microscopy", Biophysical Journal, Vol. 73, (September 1997), pgs. 1205-1214

EXAMINER	DATE CONSIDERED
<i>[Signature]</i>	5/14/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.